Man gymbol and				H	ydric soils	criteria	criteria	
Map symbol and map unit name	Component	Hydric	Local landform	Hydric criteria code	Meets saturation criteria	Meets flooding criteria		
Ac: ALCESTER SILTY CLAY LOAM	ALCESTER	No						
Ad:	CLAMO	Yes	flood plain	2B3	YES	NO	NO	
ALWILDA SANDY LOAM	ALWILDA DAVIS DIMO	No No No	  	 		 	 	
Ar:	ENET	No						
ARLO LOAM	ARLO BALTIC DIMO	Yes Yes No	flood plain pothole 	2B3 2B3,3 	YES YES	NO NO	NO YES	
Ba:	LAMO	Yes	flood plain	2A	YES	NO	NO	
BALTIC SILTY CLAY	BALTIC	Yes	pothole	3,2B3	YES	NO	YES	
	ARLO CHANCELLOR LAMO SALMO WAKONDA	Yes Yes Yes Yes No	flood plain flood plain flood plain flood plain	2B3 2A 2A 2B3	YES YES YES YES	NO NO NO NO	NO NO NO NO	
Bb: BALTIC SILTY CLAY LOAM, PONDED	BALTIC	Yes	pothole	3,2B3	YES	NO	YES	
HOMF, IONDED	LAMO SALMO	Yes Yes	flood plain flood plain	2A 2B3	YES YES	NO NO	NO NO	
BeA: BLENDON SANDY LOAM, 0 TO 3 PERCENT SLOPES		No						
10 3 PERCENI SLOPES	DAVIS	No						
	ENET	No						
	FLANDREAU GROVENA	No No						
Bo:	MADDOCK	No						
BON LOAM	BON BLENDON	No No	 					
_	CHASKA LAMO	Yes Yes	flood plain flood plain	4 2A	NO YES	YES NO	NO NO	
Ca: CHANCELLOR SILTY CLAY LOAM	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
LOPH	WAKONDA TRENT	No No						
	LAMO MOODY	Yes No	flood plain	2A 	YES 	NO 	NO 	
	WENTWORTH WORTHING	Yes	pothole	2B3,3	YES	NO NO	YES	
Ch: CHASKA LOAM, CHANNELED	CHASKA	Yes	flood plain	4	NO	YES	NO	
CHMINETED	BON LAMO ALWILDA	No Yes No No	flood plain	2A	 YES 	NO	 NO 	

Man gymbal and					Hydric soils criteria				
Map symbol and map unit name	Component	Hydric	Local	landform	Hydric criteria code	Meets saturation criteria	Meets flooding criteria		
Cm:	GT NVO		67 7	, ,	0.00				
CLAMO SILTY CLAY	CLAMO   ALCESTER	Yes No		plain 	2B3	YES	NO 	NO 	
	BON	No	I						
	DAVIS	No							
	DIMO	No	l						
	LAMO	Yes	flood	plain	2A	YES	NO	NO	
DaA: DAVIS LOAM, 0 TO 2 PERCENT SLOPES	DAVIS	No							
THROUNT BHOTHS	BLENDON	No	I						
	ENET   CLAMO	No Yes	l	plain	2B3	YES	NO	NO	
	LAMO	Yes		plain	2B3 2A	YES	NO NO	NO	
DaB:		100	11000	PIGIII	211	120	110	1,0	
DAVIS LOAM, 2 TO 9 PERCENT SLOPES	DAVIS	No							
	BLENDON	No							
	HOUDEK	No							
Dc: DAVISON-CROSSPLAIN CLAY LOAMS	DAVISON	No							
CHII HOILID	CROSSPLAIN	Yes	flood	plain	2A	YES	NO	NO	
	BONILLA	No							
	DOLAND	No	l						
	GROVENA	No	I						
	HOUDEK LAMO	No Yes	l	plain	 2A	YES	NO	NO	
DeA:	LAMO	165	11000	prain	ZA	165	110	110	
DELMONT LOAM, 0 TO 2 PERCENT SLOPES	DELMONT	No							
	DEMPSTER	No							
	TALMO	No							
DgD: DELMONT-TALMO COMPLEX, 6 TO 40 PERCENT SLOPES	DELMONT	No							
121102111 220122	TALMO	No							
	DEMPSTER	No	l .						
	SHINDLER	No	l .						
D. 7 •	HOUDEK	No							
DmA: DEMPSTER SILT LOAM, 0 TO 2 PERCENT SLOPES	DEMPSTER	No							
	GRACEVILLE	No							
	DELMONT	No							
	DOLAND	No							
DmB:	KRANZBURG	No							
DUB: DEMPSTER SILT LOAM, 2 TO 6 PERCENT SLOPES	DEMPSTER	No							
	GRACEVILLE	No							
	DELMONT	No							
	TALMO	No	l .						
	DOLAND	No	l .						
	KRANZBURG	No	'						

				F	Hydric soils	criteria	
Map symbol and map unit name	Component Hydr		Local landform	Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
DnB: DEMPSTER-TALMO COMPLEX, 2 TO 9 PERCENT SLOPES	DEMPSTER	No					
	TALMO DOLAND GRACEVILLE HOUDEK KRANZBURG	No No No No No	   	  		  	  
DO: DIMO CLAY LOAM	DIMO ARLO CLAMO ENET LAMO ALWILDA	No Yes Yes No Yes	flood plain flood plain  flood plain	2B3 2B3  2A	YES YES YES	 NO NO  NO	 NO NO  NO
DsB: DOLAND LOAM, 2 TO 6 PERCENT SLOPES	DOLAND  BONILLA  DAVISON  CROSSPLAIN  HOUDEK  DEMPSTER	No No No Yes No	 flood plain	 2A 	  YES 	 NO	 NO 
DVA: DOLAND-BONILLA LOAMS, 0 TO 2 PERCENT SLOPES	FLANDREAU	No No					
	BONILLA DAVISON CROSSPLAIN DEMPSTER FLANDREAU HOUDEK	No No Yes No No No	flood plain	2A	 YES 	NO	NO 
EeB: EGAN-ETHAN COMPLEX, 2 TO 6 PERCENT SLOPES	EGAN ETHAN TRENT CHANCELLOR WAKONDA	No No No Yes No	  flood plain	  2A	  YES	  NO	  NO
EnA: ENET LOAM, 0 TO 2 PERCENT SLOPES	WORTHING ENET	Yes No	pothole	2B3,3	YES	NO 	YES
	DIMO DAVIS ALWILDA ARLO	No No No Yes	  flood plain	  2B3	   YES	  NO	  NO
EOA: ENET-DIMO COMPLEX, 0 TO 2 PERCENT SLOPES	ENET DIMO ARLO CLAMO DAVIS	No No Yes Yes No	 flood plain flood plain	2B3 2B3	 YES YES	 NO NO	 NO NO

, , , ,				Hydric soils criteria				
Map symbol and map unit name	Component	Hydric	Local landform	Hydric criteria code	Meets saturation criteria		Meets ponding criteria	
  ErD:								
ETHAN-CLARNO LOAMS, 6 TO 25 PERCENT SLOPES		No						
	CLARNO	No						
	DAVIS TALMO	No No						
	LAMO	Yes	flood plain	2A	YES	NO NO	NO	
EsD:			_					
ETHAN-CLARNO LOAMS, 6 TO 25 PERCENT SLOPES, VERY BOULDERY	ETHAN	No						
	CLARNO	No						
	DAVIS TALMO	No No						
EtC: ETHAN-EGAN COMPLEX, 5 TO 9 PERCENT SLOPES		No						
10 9 PERCENT SLOPES	EGAN	No						
	TRENT	No						
	WAKONDA CHANCELLOR	No Yes	 flood plain	 2A	YES	NO	NO	
	TALMO	No						
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES	
ExC: ETHAN-EGAN COMPLEX, 2 TO 9 PERCENT SLOPES, VERY STONY	ETHAN	No						
VERT STORY	EGAN	No						
	TRENT	No						
	WAKONDA CHANCELLOR	No Yes	flood plain	2A	YES	NO NO	NO NO	
	TALMO	No						
E-7:	WORTHING	Yes	pothole	2B3,3	YES	NO	YES	
FaA: FLANDREAU LOAM, 0 TO 2 PERCENT SLOPES	FLANDREAU	No						
	BONILLA	No						
	DAVISON GROVENA	No No						
	BLENDON	No						
	DOLAND	No						
FaB: FLANDREAU LOAM, 2 TO 6 PERCENT SLOPES	FLANDREAU	No						
	BONILLA	No						
	MADDOCK DOLAND	No No						
	GROVENA	NO No						
	DAVISON	No						
FmB: FLANDREAU-MADDOCK COMPLEX, 2 TO 6 PERCENT SLOPES	FLANDREAU	No						
121(021(1 020120	MADDOCK	No						
	BONILLA	No						
	GROVENA DOLAND	No No						
	HOUDEK	No						

				Hydric soils criteria				
Map symbol and map unit name	Component	nt Hydric	Local landform	Hydric criteria code	Meets saturation criteria	Meets flooding criteria		
Ga:								
GRACEVILLE SILTY CLAY	GRACEVILLE	No						
	DEMPSTER DOLAND	No No						
GrB: GROVENA LOAM, 2 TO 6	GROVENA	No						
PERCENT SLOPES	FLANDREAU	No						
	BONILLA	No						
	DAVISON CROSSPLAIN	No Yes	flood plain	2A	YES	NO	NO	
GvA: GROVENA-BONILLA LOAMS, 0 TO 2 PERCENT SLOPES	GROVENA	No						
	BONILLA	No						
	FLANDREAU	No						
	DAVISON BLENDON	No No						
	CROSSPLAIN	Yes	flood plain	2A	YES	NO	NO	
HOA: HOUDEK CLAY LOAM, 0 TO 2 PERCENT SLOPES	HOUDEK	No						
	BONILLA	No						
	DAVISON	No						
	CROSSPLAIN DOLAND	Yes No	flood plain 	2A 	YES	NO 	NO 	
	FLANDREAU	No						
	KRANZBURG	No						
HOB: HOUDEK CLAY LOAM, 2 TO 6 PERCENT SLOPES	HOUDEK	No						
	BONILLA	No						
	SHINDLER DAVISON	No No						
	FLANDREAU	No No						
	CROSSPLAIN	Yes	flood plain	2A	YES	NO	NO	
HsC:	KRANZBURG	No						
HOUDEK-SHINDLER CLAY LOAMS, 5 TO 9 PERCENT SLOPES	HOUDEK	No						
	SHINDLER	No						
	DAVIS	No						
	FLANDREAU DOLAND	No No	 					
	LAMO	Yes	flood plain	2A	YES	NO	NO	
	KRANZBURG	No						
HSD: HOUDEK-SHINDLER CLAY LOAMS, 6 TO 25	HOUDEK	No						
PERCENT SLOPES	SHINDLER	No						
	DAVIS	No						
	FLANDREAU	No						
	LAMO TALMO	Yes No	flood plain 	2A 	YES	NO 	NO 	

Man gymbol and				H	Hydric soils criteria				
Map symbol and map unit name	Component	Hydric	Local landform	Hydric criteria code	Meets saturation criteria	Meets flooding criteria			
HtD: HOUDEK-TALMO COMPLEX, 6 TO 40 PERCENT SLOPES	HOUDEK	No							
	TALMO	No							
	DAVIS	No							
	DELMONT   DEMPSTER	No No							
HuA:	DEMPSIER	INO							
HUNTIMER SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	HUNTIMER	No							
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO		
T. D.	WAKONDA	No							
KaB: KRANZBURG SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES	KRANZBURG	No							
	BROOKINGS	No							
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO		
	DEMPSTER	No							
	FLANDREAU   HOUDEK	No No							
	WAKONDA	NO No							
KbA:	WARONDA	110							
KRANZBURG-BROOKINGS SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	KRANZBURG	No							
	BROOKINGS CHANCELLOR WAKONDA DEMPSTER HOUDEK	No Yes No No	flood plain	2A 	YES 	NO 	NO		
La:	INOUDER	110							
LAMO SILTY CLAY LOAM	LAMO ARLO BALTIC BON	Yes Yes Yes No	flood plain flood plain pothole	2A 2B3 2B3,3	YES YES YES	NO NO NO	NO NO YES		
	CHASKA	Yes	flood plain	4	NO	YES	NO		
	CLAMO	Yes	flood plain	2B3	YES	NO	NO		
	SALMO	Yes	flood plain	2B3	YES	NO	NO		
Lb: LAMO SILTY CLAY LOAM, FREQUENTLY FLOODED	LAMO	Yes	flood plain	2A	YES	NO	NO		
2	BALTIC	Yes	pothole	2B3,3	YES	NO	YES		
	BON CHANCELLOR	No Yes	flood plain	2A	YES	NO	NO		
	DAVISON ETHAN	No No							
	HOUDEK	No No							
M-W:									
MISCELLANEOUS WATER	MISCELLANEOU S WATER								

				Hydric soils criteria				
Map symbol and map unit name	Component	Hydric	Local landform	Hydric criteria code	Meets saturation criteria	Meets flooding criteria		
MfC: MADDOCK-FLANDREAU COMPLEX, 5 TO 9	MADDOCK	No						
PERCENT SLOPES	FLANDREAU	No						
	BONILLA	No						
	DOLAND	No						
	GROVENA	No						
MnB:	HOUDEK	No						
MOODY-NORA SILTY CLAY LOAMS, 2 TO 6 PERCENT SLOPES	MOODY	No						
THREENT BESTED	NORA	No						
	TRENT	No						
	WAKONDA	No						
	CHANCELLOR CROFTON	Yes No	flood plain	2A 	YES	NO 	NO 	
MoB: MOODY SILTY CLAY LOAM, 2 TO 4 PERCENT SLOPES	MOODY	No						
510115	TRENT	No						
	WAKONDA	No						
M+ 7 ·	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
MtA: MOODY-TRENT SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	MOODY	No						
12102111 220122	TRENT	No						
	WAKONDA	No						
N-C:	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
NcC: NORA-CROFTON COMPLEX, 5 TO 9 PERCENT SLOPES	NORA	No						
220122	CROFTON	No						
	TRENT	No						
	HOUDEK	No						
NmC:	SHINDLER	No						
NORA-MOODY SILTY CLAY LOAMS, 5 TO 9 PERCENT SLOPES	NORA	No						
I DICCHNI DUCI DO	MOODY	No						
	CROFTON	No						
	TRENT	No	flood ploin					
	CHANCELLOR WAKONDA	Yes No	flood plain	2A 	YES	NO 	NO 	
0g:	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110						
ORTHENTS, GRAVELLY	ORTHENTS,	No						
07.	GRAVELLY							
Or: ORTHENTS, LOAMY	ORTHENTS, LOAMY	No						
Sa: SALMO SILTY CLAY LOAM	SALMO	Yes	flood plain	2B3	YES	NO	NO	
	BALTIC	Yes	pothole	2B3,3	YES	NO	YES	
	LAMO	Yes	flood plain	2A	YES	NO	NO	

Mara manihadi and				Hydric soils criteria				
Map symbol and map unit name	Component	Hydric	Local landform	Hydric criteria code	Meets saturation criteria	Meets flooding criteria		
ShE:								
SHINDLER-HOUDEK CLAY LOAMS, 15 TO 40 PERCENT SLOPES	SHINDLER	No						
I BROBNI BBOLES	HOUDEK	No						
	DAVIS	No						
	FLANDREAU	No						
	LAMO	Yes	flood plain	2A	YES	NO	NO	
_	TALMO	No						
Tr:								
TRENT SILTY CLAY LOAM		No						
	WAKONDA	No			VEC			
	CHANCELLOR	Yes No	flood plain	2A	YES	NO 	NO 	
	MOODY WENTWORTH	No						
W:	WENIWORIA	NO						
WATER Wa:	WATER							
WAKONDA-CHANCELLOR SILTY CLAY LOAMS	WAKONDA	No						
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
	TRENT	No						
	KRANZBURG	No						
	LAMO	Yes	flood plain	2A	YES	NO	NO	
	MOODY	No						
WcA: WENTWORTH-CHANCELLOR- WAKONDA SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	WENTWORTH	No						
FERCENT SHOFES	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
	WAKONDA	No						
	WORTHING	Yes	pothole	3,2B3	YES	NO	YES	
WeB:		100	Fooriore	3,223	120	1.0	120	
WENTWORTH-EGAN SILTY CLAY LOAMS, 2 TO 6 PERCENT SLOPES	WENTWORTH	Yes		2B3,3	YES	NO	YES	
	EGAN	No						
	TRENT	No						
	ETHAN	No						
	WAKONDA	No						
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES	
WhA: WENTWORTH-TRENT SILTY	WENTWORTH	No						
CLAY LOAMS, 0 TO 2 PERCENT SLOPES								
	TRENT	No						
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
	WAKONDA WORTHING	No Yes	pothole	3,2B3	YES		YES	
Wo:	MOKILING	168	POCHOTE	3,403	IFO	NO	IFO	
WORTHING SILTY CLAY LOAM	WORTHING	Yes	pothole	2B3,3	YES	NO	YES	
DOM!	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO	
	WAKONDA	No						
	TRENT	No						

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States"(USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote todetermine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and					Н	ydric soils	criteria	
map unit name	Component	Hydric	Local	landform	Hydric criteria code	Meets saturation criteria		

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use an management of the soil; yet are too small to delineate on the soil map at the map's original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.

Areas mapped as water or any map unit that contains one of the following conventional symbols is considered a hydric soil map unit: marshes or swamps; wet spots; depressions; streams, lakes and ponds.

- 1. All Histosols except Folists, or
- 2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:
  - a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or
  - b. poorly drained or very poorly drained and have either:
    - (1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in),
    - (2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or
    - (3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or
- 3. Soils that are frequently ponded for long duration or very long duration during the growing
- 4. Soils that are frequently flooded for long duration or very long duration during the growing